

Fei Wei

List of Publications by Year in descending order

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papers

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41695
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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | An Advanced Ni-Fe Layered Double Hydroxide Electrocatalyst for Water Oxidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 8452-8455. | 6.6 | 2,498 |
| 2 | Advanced Asymmetric Supercapacitors Based on Ni(OH) ₂ /Graphene and Porous Graphene Electrodes with High Energy Density. <i>Advanced Functional Materials</i> , 2012, 22, 2632-2641. | 7.8 | 1,855 |
| 3 | Asymmetric Supercapacitors Based on Graphene/MnO ₂ and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. <i>Advanced Functional Materials</i> , 2011, 21, 2366-2375. | 7.8 | 1,827 |
| 4 | An oxygen reduction electrocatalyst based on carbon nanotube-graphene complexes. <i>Nature Nanotechnology</i> , 2012, 7, 394-400. | 15.6 | 1,533 |
| 5 | A Review of Solid Electrolyte Interphases on Lithium Metal Anode. <i>Advanced Science</i> , 2016, 3, 1500213. | 5.6 | 1,306 |
| 6 | Powering Lithium-Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. <i>Nano Letters</i> , 2016, 16, 519-527. | 4.5 | 1,294 |
| 7 | Fast and reversible surface redox reaction of graphene-MnO ₂ composites as supercapacitor electrodes. <i>Carbon</i> , 2010, 48, 3825-3833. | 5.4 | 1,272 |
| 8 | A Three-Dimensional Carbon Nanotube/Graphene Sandwich and Its Application as Electrode in Supercapacitors. <i>Advanced Materials</i> , 2010, 22, 3723-3728. | 11.1 | 1,182 |
| 9 | Preparation of a graphene nanosheet/polyaniline composite with high specific capacitance. <i>Carbon</i> , 2010, 48, 487-493. | 5.4 | 999 |
| 10 | Tuning element distribution, structure and properties by composition in high-entropy alloys. <i>Nature</i> , 2019, 574, 223-227. | 13.7 | 874 |
| 11 | Facile Synthesis of Graphene Nanosheets <i>via</i> Fe Reduction of Exfoliated Graphite Oxide. <i>ACS Nano</i> , 2011, 5, 191-198. | 7.3 | 818 |
| 12 | Oxygen Reduction Electrocatalyst Based on Strongly Coupled Cobalt Oxide Nanocrystals and Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2012, 134, 15849-15857. | 6.6 | 747 |
| 13 | Permselective Graphene Oxide Membrane for Highly Stable and Anti-Self-Discharge Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2015, 9, 3002-3011. | 7.3 | 723 |
| 14 | Hierarchical NiMn Layered Double Hydroxide/Carbon Nanotubes Architecture with Superb Energy Density for Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2014, 24, 2938-2946. | 7.8 | 646 |
| 15 | Topological Defects in Metal-Free Nanocarbon for Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2016, 28, 6845-6851. | 11.1 | 629 |
| 16 | Ionic shield for polysulfides towards highly-stable lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2014, 7, 347-353. | 15.6 | 624 |
| 17 | The Road for Nanomaterials Industry: A Review of Carbon Nanotube Production, Post-Treatment, and Bulk Applications for Composites and Energy Storage. <i>Small</i> , 2013, 9, 1237-1265. | 5.2 | 617 |
| 18 | Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity. <i>Advanced Materials</i> , 2015, 27, 4516-4522. | 11.1 | 612 |

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|----|--|------|-----------|
| 19 | Carbon nanotube- and graphene-based nanomaterials and applications in high-voltage supercapacitor: A review. <i>Carbon</i> , 2019, 141, 467-480. | 5.4 | 610 |
| 20 | Unstacked double-layer templated graphene for high-rate lithium-sulphur batteries. <i>Nature Communications</i> , 2014, 5, 3410. | 5.8 | 602 |
| 21 | Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. <i>Advanced Materials</i> , 2016, 28, 2155-2162. | 11.1 | 591 |
| 22 | Multi-functional separator/interlayer system for high-stable lithium-sulfur batteries: Progress and prospects. <i>Energy Storage Materials</i> , 2015, 1, 127-145. | 9.5 | 581 |
| 23 | Nitrogen-Doped Graphene/Carbon Nanotube Hybrids: In Situ Formation on Bifunctional Catalysts and Their Superior Electrocatalytic Activity for Oxygen Evolution/Reduction Reaction. <i>Small</i> , 2014, 10, 2251-2259. | 5.2 | 571 |
| 24 | Preparation of graphene nanosheet/carbon nanotube/polyaniline composite as electrode material for supercapacitors. <i>Journal of Power Sources</i> , 2010, 195, 3041-3045. | 4.0 | 540 |
| 25 | Hierarchical Nanocomposites Derived from Nanocarbons and Layered Double Hydroxides - Properties, Synthesis, and Applications. <i>Advanced Functional Materials</i> , 2012, 22, 675-694. | 7.8 | 537 |
| 26 | Electrochemical properties of graphene nanosheet/carbon black composites as electrodes for supercapacitors. <i>Carbon</i> , 2010, 48, 1731-1737. | 5.4 | 534 |
| 27 | Nitrogen-Doped Aligned Carbon Nanotube/Graphene Sandwiches: Facile Catalytic Growth on Bifunctional Natural Catalysts and Their Applications as Scaffolds for High-Rate Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2014, 26, 6100-6105. | 11.1 | 534 |
| 28 | Graphene/Single-Walled Carbon Nanotube Hybrids: One-Step Catalytic Growth and Applications for High-Rate Li-S Batteries. <i>ACS Nano</i> , 2012, 6, 10759-10769. | 7.3 | 508 |
| 29 | Nanoarchitected Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2014, 24, 2772-2781. | 7.8 | 495 |
| 30 | Design and Synthesis of Hierarchical Nanowire Composites for Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2009, 19, 3420-3426. | 7.8 | 440 |
| 31 | Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. <i>ACS Nano</i> , 2018, 12, 11756-11784. | 7.3 | 388 |
| 32 | Aligned carbon nanotube/sulfur composite cathodes with high sulfur content for lithium-sulfur batteries. <i>Nano Energy</i> , 2014, 4, 65-72. | 8.2 | 366 |
| 33 | CaO-Templated Growth of Hierarchical Porous Graphene for High-Power Lithium-Sulfur Battery Applications. <i>Advanced Functional Materials</i> , 2016, 26, 577-585. | 7.8 | 355 |
| 34 | Strongly Coupled Interfaces between a Heterogeneous Carbon Host and a Sulfur-Containing Guest for Highly Stable Lithium-Sulfur Batteries: Mechanistic Insight into Capacity Degradation. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400227. | 1.9 | 351 |
| 35 | An ultrafast nickel-iron battery from strongly coupled inorganic nanoparticle/nanocarbon hybrid materials. <i>Nature Communications</i> , 2012, 3, 917. | 5.8 | 347 |
| 36 | Gram-scale synthesis of nanomesh graphene with high surface area and its application in supercapacitor electrodes. <i>Chemical Communications</i> , 2011, 47, 5976. | 2.2 | 339 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Toward Full Exposure of "Active Sites" Nanocarbon Electrocatalyst with Surface Enriched Nitrogen for Superior Oxygen Reduction and Evolution Reactivity. <i>Advanced Functional Materials</i> , 2014, 24, 5956-5961. | 7.8 | 332 |
| 38 | Carbon Nanotube Mass Production: Principles and Processes. <i>ChemSusChem</i> , 2011, 4, 864-889. | 3.6 | 329 |
| 39 | Growth of Half-Meter Long Carbon Nanotubes Based on Schulz's Flory Distribution. <i>ACS Nano</i> , 2013, 7, 6156-6161. | 7.3 | 308 |
| 40 | Electromagnetic and microwave absorbing properties of multi-walled carbon nanotubes/polymer composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 132, 85-89. | 1.7 | 306 |
| 41 | Superlubricity in centimetres-long double-walled carbon nanotubes under ambient conditions. <i>Nature Nanotechnology</i> , 2013, 8, 912-916. | 15.6 | 305 |
| 42 | Janus Separator of Polypropylene-Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2016, 3, 1500268. | 5.6 | 294 |
| 43 | Carbon nanotube bundles with tensile strength over 80 GPa. <i>Nature Nanotechnology</i> , 2018, 13, 589-595. | 15.6 | 283 |
| 44 | A Three-Dimensionally Interconnected Carbon Nanotube-Conducting Polymer Hydrogel Network for High-Performance Flexible Battery Electrodes. <i>Advanced Energy Materials</i> , 2014, 4, 1400207. | 10.2 | 280 |
| 45 | Air Filtration in the Free Molecular Flow Regime: A Review of High-Efficiency Particulate Air Filters Based on Carbon Nanotubes. <i>Small</i> , 2014, 10, 4543-4561. | 5.2 | 279 |
| 46 | Nanographene-Constructed Carbon Nanofibers Grown on Graphene Sheets by Chemical Vapor Deposition: High-Performance Anode Materials for Lithium Ion Batteries. <i>ACS Nano</i> , 2011, 5, 2787-2794. | 7.3 | 277 |
| 47 | The large-scale production of carbon nanotubes in a nano-agglomerate fluidized-bed reactor. <i>Chemical Physics Letters</i> , 2002, 364, 568-572. | 1.2 | 275 |
| 48 | Template-Directed Synthesis of Pillared Porous Carbon Nanosheet Architectures: High-Performance Electrode Materials for Supercapacitors. <i>Advanced Energy Materials</i> , 2012, 2, 419-424. | 10.2 | 267 |
| 49 | Increasing <i>p</i> -Xylene Selectivity in Making Aromatics from Methanol with a Surface-Modified Zn/P/ZSM-5 Catalyst. <i>ACS Catalysis</i> , 2015, 5, 2982-2988. | 5.5 | 263 |
| 50 | Fabrication and electrochemical performances of hierarchical porous Ni(OH) ₂ nanoflakes anchored on graphene sheets. <i>Journal of Materials Chemistry</i> , 2012, 22, 11494. | 6.7 | 261 |
| 51 | 99.9% purity multi-walled carbon nanotubes by vacuum high-temperature annealing. <i>Carbon</i> , 2003, 41, 2585-2590. | 5.4 | 254 |
| 52 | Li ₂ S ₅ -based ternary-salt electrolyte for robust lithium metal anode. <i>Energy Storage Materials</i> , 2016, 3, 77-84. | 9.5 | 236 |
| 53 | Entrapment of sulfur in hierarchical porous graphene for lithium-sulfur batteries with high rate performance from 40 to 60°C. <i>Nano Energy</i> , 2013, 2, 314-321. | 8.2 | 230 |
| 54 | Tuning Chemistry and Topography of Nanoengineered Surfaces to Manipulate Immune Response for Bone Regeneration Applications. <i>ACS Nano</i> , 2017, 11, 4494-4506. | 7.3 | 223 |

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|----|--|------|-----------|
| 55 | A treatment method to give separated multi-walled carbon nanotubes with high purity, high crystallization and a large aspect ratio. <i>Carbon</i> , 2003, 41, 2939-2948. | 5.4 | 216 |
| 56 | 3D Carbonaceous Current Collectors: The Origin of Enhanced Cycling Stability for High-loading Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 6351-6358. | 7.8 | 216 |
| 57 | Red Phosphorus Nanodots on Reduced Graphene Oxide as a Flexible and Ultra-Fast Anode for Sodium-ion Batteries. <i>ACS Nano</i> , 2017, 11, 5530-5537. | 7.3 | 201 |
| 58 | Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. <i>Journal of the American Chemical Society</i> , 2017, 139, 8458-8466. | 6.6 | 198 |
| 59 | 3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices. <i>Advanced Materials</i> , 2019, 31, e1805598. | 11.1 | 194 |
| 60 | Highly Electroconductive Mesoporous Graphene Nanofibers and Their Capacitance Performance at 4 V. <i>Journal of the American Chemical Society</i> , 2014, 136, 2256-2259. | 6.6 | 192 |
| 61 | Binder-free activated carbon/carbon nanotube paper electrodes for use in supercapacitors. <i>Nano Research</i> , 2011, 4, 870-881. | 5.8 | 178 |
| 62 | Monolithic-structured ternary hydroxides as freestanding bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7245-7250. | 5.2 | 178 |
| 63 | Embedded High Density Metal Nanoparticles with Extraordinary Thermal Stability Derived from Guest-Host Mediated Layered Double Hydroxides. <i>Journal of the American Chemical Society</i> , 2010, 132, 14739-14741. | 6.6 | 177 |
| 64 | Superstrong Ultralong Carbon Nanotubes for Mechanical Energy Storage. <i>Advanced Materials</i> , 2011, 23, 3387-3391. | 11.1 | 170 |
| 65 | Crystal-plane effect of nanoscale CeO ₂ on the catalytic performance of Ni/CeO ₂ catalysts for methane dry reforming. <i>Catalysis Science and Technology</i> , 2016, 6, 3594-3605. | 2.1 | 170 |
| 66 | Building Robust Architectures of Carbon and Metal Oxide Nanocrystals toward High-Performance Anodes for Lithium-ion Batteries. <i>ACS Nano</i> , 2012, 6, 9911-9919. | 7.3 | 165 |
| 67 | High-order superlattices by rolling up van der Waals heterostructures. <i>Nature</i> , 2021, 591, 385-390. | 13.7 | 163 |
| 68 | Dendrite-Free Nanostructured Anode: Entrapment of Lithium in a 3D Fibrous Matrix for Ultra-Stable Lithium-Sulfur Batteries. <i>Small</i> , 2014, 10, 4257-4263. | 5.2 | 154 |
| 69 | Horizontally aligned carbon nanotube arrays: growth mechanism, controlled synthesis, characterization, properties and applications. <i>Chemical Society Reviews</i> , 2017, 46, 3661-3715. | 18.7 | 153 |
| 70 | Superdurable Bifunctional Oxygen Electrocatalyst for High-Performance Zinc-Air Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 2694-2704. | 6.6 | 151 |
| 71 | Microstructure of carbon nanotubes/PET conductive composites fibers and their properties. <i>Composites Science and Technology</i> , 2006, 66, 1022-1029. | 3.8 | 148 |
| 72 | The mass production of carbon nanotubes using a nano-agglomerate fluidized bed reactor: A multiscale space-time analysis. <i>Powder Technology</i> , 2008, 183, 10-20. | 2.1 | 146 |

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|----|--|------|-----------|
| 73 | High-performance flexible lithium-ion electrodes based on robust network architecture. <i>Energy and Environmental Science</i> , 2012, 5, 6845. | 15.6 | 144 |
| 74 | Aligned sulfur-coated carbon nanotubes with a polyethylene glycol barrier at one end for use as a high efficiency sulfur cathode. <i>Carbon</i> , 2013, 58, 99-106. | 5.4 | 143 |
| 75 | Porous graphene networks as high performance anode materials for lithium ion batteries. <i>Carbon</i> , 2013, 60, 558-561. | 5.4 | 139 |
| 76 | Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. <i>Nanoscale</i> , 2017, 9, 706-718. | 2.8 | 134 |
| 77 | Direct growth of flexible LiMn2O4/CNT lithium-ion cathodes. <i>Chemical Communications</i> , 2011, 47, 9669. | 2.2 | 126 |
| 78 | Polysulfide shuttle control: Towards a lithium-sulfur battery with superior capacity performance up to 1000 cycles by matching the sulfur/electrolyte loading. <i>Journal of Power Sources</i> , 2014, 253, 263-268. | 4.0 | 124 |
| 79 | Dual-sized NiFe layered double hydroxides in situ grown on oxygen-decorated self-dispersal nanocarbon as enhanced water oxidation catalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24540-24546. | 5.2 | 124 |
| 80 | Hierarchical Composites of Single/Double-Walled Carbon Nanotubes Interlinked Flakes from Direct Carbon Deposition on Layered Double Hydroxides. <i>Advanced Functional Materials</i> , 2010, 20, 677-685. | 7.8 | 123 |
| 81 | Gas and solids mixing in a turbulent fluidized bed. <i>AIChE Journal</i> , 2002, 48, 1896-1909. | 1.8 | 122 |
| 82 | Energy-Absorbing Hybrid Composites Based on Alternate Carbon-Nanotube and Inorganic Layers. <i>Advanced Materials</i> , 2009, 21, 2876-2880. | 11.1 | 118 |
| 83 | The Catalytic Pathways of Hydrohalogenation over Metal-Free Nitrogen-Doped Carbon Nanotubes. <i>ChemSusChem</i> , 2014, 7, 723-728. | 3.6 | 114 |
| 84 | Downer reactor: From fundamental study to industrial application. <i>Powder Technology</i> , 2008, 183, 364-384. | 2.1 | 112 |
| 85 | A new structure for multi-walled carbon nanotubes reinforced alumina nanocomposite with high strength and toughness. <i>Materials Letters</i> , 2008, 62, 641-644. | 1.3 | 112 |
| 86 | High-Performance Energy-Storage Architectures from Carbon Nanotubes and Nanocrystal Building Blocks. <i>Advanced Materials</i> , 2012, 24, 2030-2036. | 11.1 | 112 |
| 87 | Towards high purity graphene/single-walled carbon nanotube hybrids with improved electrochemical capacitive performance. <i>Carbon</i> , 2013, 54, 403-411. | 5.4 | 110 |
| 88 | Fabrication of <i>c</i> -Axis Oriented ZSM-5 Hollow Fibers Based on an in Situ Solid-Solid Transformation Mechanism. <i>Journal of the American Chemical Society</i> , 2013, 135, 15322-15325. | 6.6 | 110 |
| 89 | Synergistic Gold-Bismuth Catalysis for Non-Mercury Hydrochlorination of Acetylene to Vinyl Chloride Monomer. <i>ACS Catalysis</i> , 2014, 4, 3112-3116. | 5.5 | 109 |
| 90 | Characterization of single-wall carbon nanotubes by N2 adsorption. <i>Carbon</i> , 2004, 42, 2375-2383. | 5.4 | 107 |

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|-----|--|------|-----------|
| 91 | Hierarchical Vineâ€Treeâ€Like Carbon Nanotube Architectures: Inâ€Situ CVD Selfâ€Assembly and Their Use as Robust Scaffolds for Lithiumâ€Sulfur Batteries. <i>Advanced Materials</i> , 2014, 26, 7051-7058. | 11.1 | 104 |
| 92 | Building flexible Li ₄ Ti ₅ O ₁₂ /CNT lithium-ion battery anodes with superior rate performance and ultralong cycling stability. <i>Nano Energy</i> , 2014, 10, 344-352. | 8.2 | 104 |
| 93 | A low content Au-based catalyst for hydrochlorination of C ₂ H ₂ and its industrial scale-up for future PVC processes. <i>Green Chemistry</i> , 2015, 17, 356-364. | 4.6 | 104 |
| 94 | Profiles of particle velocity and solids fraction in a high-density riser. <i>Powder Technology</i> , 1998, 100, 183-189. | 2.1 | 103 |
| 95 | Numerical simulation of the gasâ€particle turbulent flow in riser reactor based on kâ€Î¼â€kpâ€Î¼â€Î² two-fluid model. <i>Chemical Engineering Science</i> , 2001, 56, 6813-6822. | 1.9 | 103 |
| 96 | Growth Deceleration of Vertically Aligned Carbon Nanotube Arrays:â€% Catalyst Deactivation or Feedstock Diffusion Controlled?. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4892-4896. | 1.5 | 102 |
| 97 | Vertically aligned carbon nanotube arrays grown on a lamellar catalyst by fluidized bed catalytic chemical vapor deposition. <i>Carbon</i> , 2009, 47, 2600-2610. | 5.4 | 101 |
| 98 | Highly deformation-tolerant carbon nanotube sponges as supercapacitor electrodes. <i>Nanoscale</i> , 2013, 5, 8472. | 2.8 | 101 |
| 99 | Enhanced production of carbon nanotubes: combination of catalyst reduction and methane decomposition. <i>Applied Catalysis A: General</i> , 2004, 258, 121-124. | 2.2 | 99 |
| 100 | The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. <i>Tissue Engineering - Part A</i> , 2018, 24, 584-594. | 1.6 | 98 |
| 101 | Carbonâ€Nanotubeâ€Array Double Helices. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3642-3645. | 7.2 | 96 |
| 102 | Effect of nano-structural properties of biomimetic hydroxyapatite on osteoimmunomodulation. <i>Biomaterials</i> , 2018, 181, 318-332. | 5.7 | 94 |
| 103 | Radial growth of vertically aligned carbon nanotube arrays from ethylene on ceramic spheres. <i>Carbon</i> , 2008, 46, 1152-1158. | 5.4 | 93 |
| 104 | Direct synthesis of hierarchical zeolite from a natural layered material. <i>Chemical Communications</i> , 2009, , 3282. | 2.2 | 93 |
| 105 | Quantitative Raman characterization of the mixed samples of the single and multi-wall carbon nanotubes. <i>Carbon</i> , 2003, 41, 1851-1854. | 5.4 | 92 |
| 106 | Super-durable ultralong carbon nanotubes. <i>Science</i> , 2020, 369, 1104-1106. | 6.0 | 92 |
| 107 | 100â€%mm Long, Semiconducting Tripleâ€Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2010, 22, 1867-1871.11.1 | 11.1 | 91 |
| 108 | Enhanced hydrogen production in a UASB reactor by retaining microbial consortium onto carbon nanotubes (CNTs). <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10619-10626. | 3.8 | 91 |

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|-----|---|------|-----------|
| 109 | Silicon Carbide as a Protective Layer to Stabilize Si-Based Anodes by Inhibiting Chemical Reactions. <i>Nano Letters</i> , 2019, 19, 5124-5132. | 4.5 | 91 |
| 110 | Growing 20 cm Long DWNTs/TWNTs at a Rapid Growth Rate of 80~90 $\mu\text{m/s}$. <i>Chemistry of Materials</i> , 2010, 22, 1294-1296. | 3.2 | 88 |
| 111 | Hierarchical carbon nanotube membrane with high packing density and tunable porous structure for high voltage supercapacitors. <i>Carbon</i> , 2012, 50, 5167-5175. | 5.4 | 87 |
| 112 | Modeling the hydrodynamics of downer reactors based on kinetic theory. <i>Chemical Engineering Science</i> , 1999, 54, 2019-2027. | 1.9 | 86 |
| 113 | Gaseous catalytic hydrogenation of nitrobenzene to aniline in a two-stage fluidized bed reactor. <i>Applied Catalysis A: General</i> , 2005, 286, 30-35. | 2.2 | 86 |
| 114 | Synchronous Growth of Vertically Aligned Carbon Nanotubes with Pristine Stress in the Heterogeneous Catalysis Process. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14638-14643. | 1.5 | 86 |
| 115 | The feasibility of producing MWCNT paper and strong MWCNT film from VACNT array. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 531-539. | 1.1 | 86 |
| 116 | Long carbon nanotubes intercrossed Cu/Zn/Al/Zr catalyst for CO/CO ₂ hydrogenation to methanol/dimethyl ether. <i>Catalysis Today</i> , 2010, 150, 55-60. | 2.2 | 86 |
| 117 | Mass production of aligned carbon nanotube arrays by fluidized bed catalytic chemical vapor deposition. <i>Carbon</i> , 2010, 48, 1196-1209. | 5.4 | 86 |
| 118 | Three-dimensional aluminum foam/carbon nanotube scaffolds as long- and short-range electron pathways with improved sulfur loading for high energy density lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2014, 261, 264-270. | 4.0 | 86 |
| 119 | Synthesis of carbon nanotubes from liquefied petroleum gas containing sulfur. <i>Carbon</i> , 2002, 40, 2968-2970. | 5.4 | 84 |
| 120 | Conversion of methanol to aromatics in fluidized bed reactor. <i>Catalysis Today</i> , 2014, 233, 8-13. | 2.2 | 84 |
| 121 | Flexible all-carbon interlinked nanoarchitectures as cathode scaffolds for high-rate lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10869-10875. | 5.2 | 83 |
| 122 | Controlled Synthesis of Ultralong Carbon Nanotubes with Perfect Structures and Extraordinary Properties. <i>Accounts of Chemical Research</i> , 2017, 50, 179-189. | 7.6 | 83 |
| 123 | Toughening and reinforcing alumina matrix composite with single-wall carbon nanotubes. <i>Applied Physics Letters</i> , 2006, 89, 121910. | 1.5 | 82 |
| 124 | In situ fabrication of depth-type hierarchical CNT/quartz fiber filters for high efficiency filtration of sub-micron aerosols and high water repellency. <i>Nanoscale</i> , 2013, 5, 3367. | 2.8 | 82 |
| 125 | 3D Hierarchical Porous Graphene-Based Energy Materials: Synthesis, Functionalization, and Application in Energy Storage and Conversion. <i>Electrochemical Energy Reviews</i> , 2019, 2, 332-371. | 13.1 | 82 |
| 126 | TiO ₂ as a multifunction coating layer to enhance the electrochemical performance of SiO _x @TiO ₂ @C composite as anode material. <i>Nano Energy</i> , 2020, 77, 105082. | 8.2 | 82 |

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|-----|---|------|-----------|
| 127 | Imaging the node-linker coordination in the bulk and local structures of metal-organic frameworks. <i>Nature Communications</i> , 2020, 11, 2692. | 5.8 | 82 |
| 128 | Elastic deformation of multiwalled carbon nanotubes in electrospun MWCNTs@PEO and MWCNTs@PVA nanofibers. <i>Polymer</i> , 2005, 46, 12689-12695. | 1.8 | 81 |
| 129 | Continuous vinyl chloride monomer production by acetylene hydrochlorination on Hg-free bismuth catalyst: From lab-scale catalyst characterization, catalytic evaluation to a pilot-scale trial by circulating regeneration in coupled fluidized beds. <i>Fuel Processing Technology</i> , 2013, 108, 12-18. | 3.7 | 81 |
| 130 | Atomic Spatial and Temporal Imaging of Local Structures and Light Elements inside Zeolite Frameworks. <i>Advanced Materials</i> , 2020, 32, e1906103. | 11.1 | 81 |
| 131 | Kinetics of the reactions of the light alkenes over SAPO-34. <i>Applied Catalysis A: General</i> , 2008, 348, 135-141. | 2.2 | 79 |
| 132 | High capacity gas storage in corrugated porous graphene with a specific surface area-lossless tightly stacking manner. <i>Chemical Communications</i> , 2012, 48, 6815. | 2.2 | 79 |
| 133 | Single-Step Conversion of H ₂ -Deficient Syngas into High Yield of Tetramethylbenzene. <i>ACS Catalysis</i> , 2019, 9, 2203-2212. | 5.5 | 79 |
| 134 | Chemical vapor deposition derived flexible graphene paper and its application as high performance anodes for lithium rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 408-414. | 5.2 | 78 |
| 135 | New procedure towards size-homogeneous and well-dispersed nickel oxide nanoparticles of 30 nm. <i>Materials Letters</i> , 2004, 58, 3226-3228. | 1.3 | 77 |
| 136 | Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. <i>Chemical Communications</i> , 2016, 52, 2011-2014. | 2.2 | 77 |
| 137 | Layered double hydroxides as catalysts for the efficient growth of high quality single-walled carbon nanotubes in a fluidized bed reactor. <i>Carbon</i> , 2010, 48, 3260-3270. | 5.4 | 76 |
| 138 | Centrifugation-free and high yield synthesis of nanosized H-ZSM-5 and its structure-guided aromatization of methanol to 1,2,4-trimethylbenzene. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19797-19808. | 5.2 | 76 |
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